

202.2 - Elements in Polymers

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

| SRM | 2855 | 2859 | 2861 |
|-------------|-----------------------------------|---|---|
| Description | Additive Elements in Polyethylene | Restricted Elements in Polyvinyl Chloride | Restricted Elements in Polyvinyl Chloride |
| Unit Size | (3 Levels, 80 g each) | (25 g) | (25 g) |

Concentrations are expressed as mass fraction, in percent (%), unless otherwise noted.

| | | | |
|--|--|----------|--------------|
| Antimony (Sb) | | (<0.001) | 0.00678 |
| Arsenic (As) | | (<0.001) | 0.00239 |
| Barium (Ba) | | (<0.001) | 0.0740 |
| Bromine (Br) | Level I: (<2 mg/kg) Level II: (<2 mg/kg) Level III: (<2 mg/kg) | 0.0854 | (<0.001) |
| Cadmium (Cd) | Level I: (<3 mg/kg) Level II: (<3 mg/kg) Level III: (<3 mg/kg) | 0.00734 | 0.00651 |
| Calcium (Ca) | Level I: (<1 mg/kg) Level II: 37.6 mg/kg Level III: 77.2 mg/kg | 3.603 | 3.33 |
| Chlorine (Cl) | | (33) | (35) |
| Chromium (Cr) | Level I: (<1 mg/kg) Level II: 2.4 mg/kg Level III: 2.4 mg/kg | 0.0716 | 0.00504 |
| Copper (Cu) | | (0.0054) | (<0.0003) |
| Hexavalent Chromium (Cr⁺⁶) | | 0.0480 | Not Detected |
| Iron (Fe) | | 0.00635 | 0.0058 |
| Lead (Pb) | Level I: (<2 mg/kg) Level II: (<2 mg/kg) Level III: (<2 mg/kg) | 0.07982 | 0.00883 |
| Mercury (Hg) | Level I: (<3 mg/kg) Level II: (<3 mg/kg) Level III: (<3 mg/kg) | 0.07695 | 0.00556 |
| Phosphorus (P) | Level I: (1 mg/kg) Level II: 22.0 mg/kg Level III: 41.6 mg/kg | | |
| Selenium (Se) | | (<0.001) | 0.02441 |
| Silicon (Si) | Level I: (<6 mg/kg) Level II: 186.7 mg/kg Level III: 183.1 mg/kg | | |
| Sodium (Na) | Level I: (<4 mg/kg) Level II: 16.0 mg/kg Level III: 16.4 mg/kg | (0.037) | (0.006) |

- Certified values are normal font

- Reference values are italicized

- Values in parentheses are for information only

202.2 - Elements in Polymers

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

| | | | |
|----------------------|--|--------|--------|
| Sulfur (S) | Level I: (<2 mg/kg) Level II: 21.0 mg/kg Level III: 41.2 mg/kg | 0.1087 | 0.1006 |
| Tin (Sn) | | 0.1362 | 0.1294 |
| Titanium (Ti) | Level I: (<1 mg/kg) Level II: 10.4 mg/kg Level III: 10.4 mg/kg | | |

Concentrations are expressed as mass fraction, in percent (%), unless otherwise noted.

| | |
|------------------|--|
| Zinc (Zn) | Level I: (<0.5 mg/kg) Level II: 415 mg/kg Level III: 807 mg/kg |
|------------------|--|

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only